

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

- 1           1.       (Original) A method of performing communications in a wireless network,  
2 comprising:  
3               determining if a mobile station is subscribed to a first level of service or a second  
4 level of service;  
5               communicating packet-switched traffic; and  
6               releasing a logical connection between the mobile station and a wireless access  
7 system according to a first procedure if subscribed to the first level of service and according to a  
8 second, different procedure if subscribed to the second level of service.
- 1           2.       (Previously Presented) The method of claim 1, wherein the determining,  
2 communicating, and releasing acts are performed by the mobile station.
- 1           3.       (Original) The method of claim 1, wherein releasing the logical connection  
2 comprises releasing a temporary block flow.
- 1           4.       (Original) The method of claim 3, wherein releasing the temporary block flow  
2 comprises releasing an uplink temporary block flow.
- 1           5.       (Previously Presented) The method of claim 3, wherein communicating the  
2 packet-switched traffic comprises carrying the packet-switched traffic in one or more channels  
3 defined by a protocol selected from the group consisting of a General Packet Radio Service  
4 (GPRS) protocol, an Enhanced GPRS protocol, and a Global System for Mobile/Enhanced Data  
5 Rate for Global Evolution Radio Access Network (GERAN) protocol.

1           6.       (Previously Presented) The method of claim 1, further comprising:  
2                   if the mobile station is subscribed to the first level of service, starting a timer in  
3 the mobile station after detecting there is no further data to send,  
4                   wherein releasing the logical connection is performed after expiration of the  
5 timer.

1           7.       (Original) The method of claim 6, wherein if the mobile station is subscribed to  
2 the second level of service, the logical connection is released in response to detecting there is no  
3 further data to send without use of the timer.

1           8.       (Original) The method of claim 7, wherein detecting there is no further data to  
2 send is performed by detecting if a send buffer is empty or is about to become empty.

1           9.       (Currently Amended) A system for providing communications in a wireless  
2 network, comprising:  
3                   a controller operable to determine if a mobile station is subscribed to a first level  
4 of service or a second level of service; and wherein  
5                   the controller is operable to further determine when data transmission to the  
6 mobile station is about to end, and in response to determining that data transmission to the  
7 mobile station is about to end, the controller is adapted to generate ~~filler~~ dummy data for sending  
8 to the mobile station if the mobile station is subscribed to the first level of service to enable a  
9 wireless connection to the mobile station to be maintained.

1           10.      (Currently Amended) The system of claim 9, wherein the controller is adapted to  
2 not generate ~~filler~~ dummy data for sending to the mobile station if the mobile station is  
3 subscribed to the second level of service.

1           11.      (Currently Amended) The system of claim 9, further comprising a timer to define  
2 a time period during which the ~~filler~~ dummy data is generated.

1           12.     (Currently Amended) The system of claim 11, wherein the controller is adapted  
2     to stop sending the ~~filler~~ dummy data after the timer expires.

1           13.     (Original) The system of claim 9, wherein the controller comprises a serving  
2     General Packet Radio Service support node control module.

1           14.     (Original) The system of claim 9, wherein the controller is adapted to determine  
2     end of data transmission by determining if a send buffer in a wireless access system is empty or  
3     about to be empty.

1           15.     (Original) The system of claim 14, further comprising a storage module to store  
2     information pertaining to one or more characteristics of the send buffer,  
3                   the controller adapted to determine if the send buffer is empty or about to be  
4     empty based on the one or more characteristics.

1           16.     (Original) The system of claim 15, wherein the one or more characteristics  
2     comprise one or more of a size of the send buffer and a leaky rate of the send buffer.

1           17.     (Original) The system of claim 9, wherein the wireless connection comprises a  
2     temporary block flow.

1           18.   (Currently Amended) An article comprising at least a storage medium containing  
2 instructions that when executed cause a core network system to:

3                   send packet-switched data from the core network system to a wireless access  
4 system for communicating to a mobile station;

5                   determine by the core network system if a send buffer in the wireless access  
6 system to store the data is about to become empty; [[and]]

7                   if the send buffer is about to become empty, send, by the core network system,  
8 ~~filler~~ dummy data to the wireless access system to maintain a connection between the wireless  
9 access system and the mobile station; and

10                   start a timer to provide a time period during which the dummy data is to be sent  
11 from the core network system to the wireless access system.

1           19.   (Currently Amended) The article of claim 18, wherein the instructions when  
2 executed cause the core network system to send ~~filler~~ dummy data to maintain a temporary block  
3 flow.

1           20.   (Cancelled)

1           21.   (Currently Amended) The article of claim 18, wherein the instructions when  
2 executed cause the core network system to further determine if the mobile station is subscribed  
3 to a first service level and to send the ~~filler~~ dummy data in response to determining the mobile  
4 station is subscribed to the first service level.

1           22.   (Previously Presented) A mobile station, comprising:  
2                   an interface block to a wireless link to a wireless access system;  
3                   a controller adapted to determine if the mobile station is subscribed to a first level  
4 of service or a second level or service,  
5                   the controller being adapted to release a temporary block flow on the wireless link  
6 according to a first procedure if subscribed to the first level of service and according to a second,  
7 different procedure if subscribed to the second level of service.

1           23.     (Previously Presented) The mobile station of claim 22, wherein the temporary  
2 block flow is defined by a packet-switched wireless protocol selected from the group consisting  
3 of a General Packet Radio Service protocol, an Enhanced General Packet Radio Service  
4 protocol, and a Global System for Mobile/Enhanced Data Rate for Global Evolution Radio  
5 Access Network protocol.

1           24.     (Previously Presented) The article of claim 18, wherein the core network system  
2 is a serving GPRS support node (SGSN).

1           25.     (New) The method of claim 1, wherein releasing the logical connection  
2 according to the first procedure is performed in response to determining that the mobile station is  
3 subscribed to the first level of service, and releasing the logical connection according to the  
4 second procedure is performed in response to determining that the mobile station is subscribed to  
5 the second level of service.